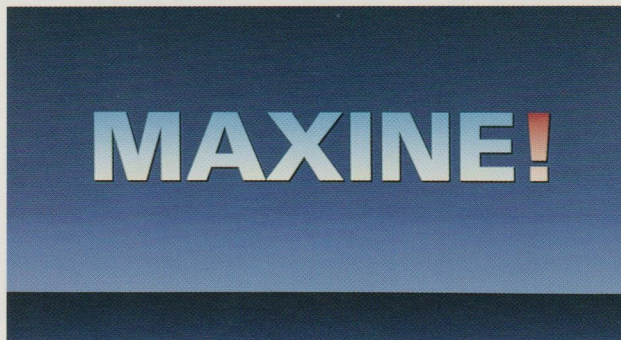
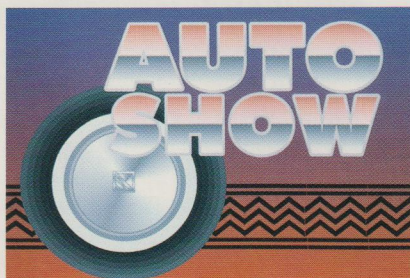




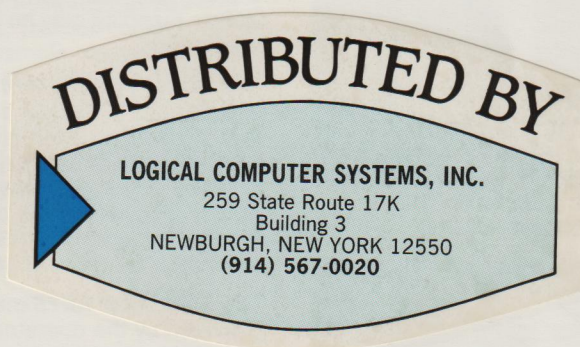
CHYRON
Graphics



Currency
EXCHANGE PER US DOLLAR

Dutch guilder	.5946
Irish punt	.4298
Belgian franc	1.569

Source: Wall Street Journal



THE
PESACHYRON
GROUP

PESA

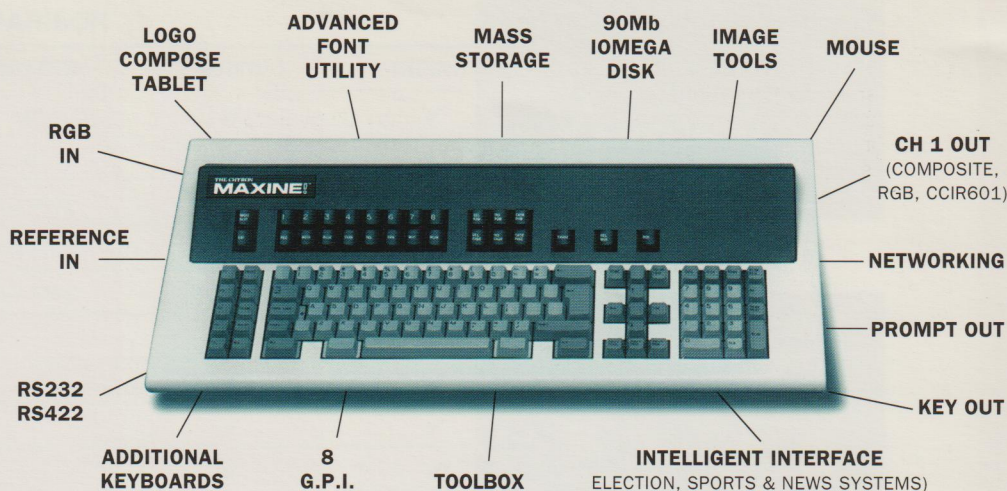
CHYRON

CMX

AURORA

Committed to
Excellence

THE MAXINE!™ is a compact, state-of-the-art graphics and character generator. It is fully compatible with the industry standard iNFiNiT! and MAX!>, sharing many of their features and capabilities.



STANDARD FEATURES

HIGH PERFORMANCE 68040 CPU with 12 megabytes of memory, Ethernet, SCSI, and 4 serial ports.

FULL COLOR 32 bit system, full bandwidth color and full bandwidth key channel.

SPECIAL EFFECTS allows full page slides, pushes, wipes, row slides, row pushes and scan line wipes. All done on a single channel.

FONT LIBRARY of over 1500 Bit-stream™ Master Font typefaces, all of which are immediately available through Fonts-By-Wire™ and Font Express™.

UNLIMITED ON-LINE FONTS per screen, with 16 available for instant access. All fonts may be quickly modified on-screen or readily exchanged with others stored on disc.

16.7 MILLION COLORS are available, any of which may be assigned to characters, logos or graphics. Full color images may be treated as characters.

BACKGROUNDS can be created in single scan line increments. The background may use any of the 16.7 million colors, independent of the character colors. Automatic color ramping is a standard feature.

EDGING allows characters and logos to be displayed with border edging, drop shadow, or offset in any 8 directions. Offset shadows can have soft edges. Edge thickness is variable from 1 to 100 scan lines and edge color is selectable on a character basis.

256 LEVELS OF ANTI-ALIASING TRANSPARENCY provides crisp, clean definition of characters, logos and graphics, transparency control of character body or edge.

80Mb HARD DISC provides storage for the software, messages, fonts, logos and graphics.

TOTAL FREEDOM OF CHARACTER PLACEMENT allows the user to place characters, words, logos or graphics anywhere on the screen. Characters may be overlapped without restriction.

ROLL AND CRAWL may be applied to any combination of text and graphics at variable speed.

FLASHFONT™ process allows for instant sizing of fonts and logos, right on the screen. In addition to size, attributes such as edge type, oblique angle, X-axis scaling, rotation, and texture mapping may be changed interactively.

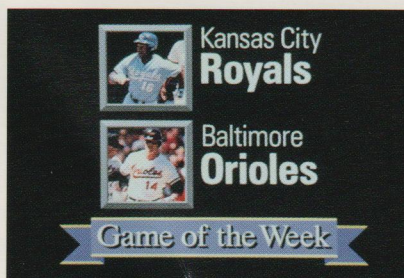
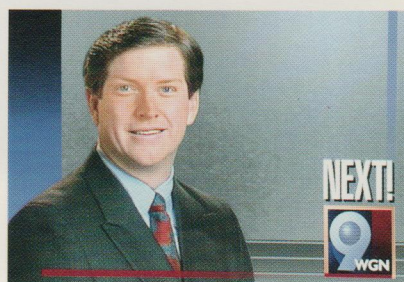
THE CLOCK/EVENT TIMER may be programmed to display as either a real-time clock or an event clock. Realtime 12 hour or 24 hour operation is available with hours, minutes and seconds display. The event time can be set to count up or down and display minutes, seconds and tenths of seconds.

TEN FUNCTION KEYS may be programmed by the operator to memorize a series of keystrokes for playback on demand. Each function key can contain up to 500 keystroke steps.

REMOTE EVENT TRIGGERING (G.P.I.) provides eight inputs that may be used by an external device to trigger the execution of pre-programmed function keys.

THE ADJUSTABLE SAFE TITLE AREA can be sized and positioned anywhere on the screen.

FLEXIBLE TAB LOCATIONS are provided. Each tab may be constructed for left, right, center, numeric, comma or decimal justification, as well as font style, color and automatic erase. Each row may contain independent tab settings.



Standard Features

CUSTOM OPERATOR ENVIRONMENT

sets system configurations to suit unique client or application needs. Operators may pre-define all system variables, such as safe title area, palette colors, font loads, tabs, default shift values, function key set-ups, etc., and save these for future use.

GRAPHICAL USER INTERFACE makes for easy and effective operation. The prompt screen is utilized to easily identify functions and tools which can be accessed with a keystroke or the optional mouse.

FONTS-BY-WIRE™ uses the MAXINE! system and an external modem. Users can order and receive typefaces over standard phone lines.

OPTIONS

INTELLIGENT INTERFACE provides an interface to external computers for input of text and graphics, completely transparent to normal system operation. This interface supports a variety of third-party election reporting, sports and newsroom systems, ie: Newstar™ and Basys™. In addition, the Intelligent Interface will allow the external device to take control of all of the available playback functions of the MAXINE! to permit the execution of intricate custom displays.

THE INTERNATIONAL KEYBOARD provides additional character keys and accent marks for all Roman based languages. Custom configurations are also available.

ADVANCED FONT UTILITY

• Metallic Shading • Neon • Inner Glow • Outer Glow • Outline • Multi-Border • Combines (Border and Drop Shadow) • 10 Types of Bevels • Chisel • Transparency • 3D

VIDEO INPUT MODULE allows the user to capture color images in realtime via RGB inputs. Images are captured in full color and saved as characters in a font, or as named images saved directly to the disk. Once captured, these images may be scaled to any size and bordered with either a hard or soft border. These images are treated in the same manner as other characters, allowing them to be positioned anywhere on the screen, mixed with text or overlapped. (Available Q1, 1994)

IMAGE TOOLS™ provides a full set of professional drawing and painting tools, which may be used to create original graphics or retouch captured images. Features include many brush styles and sizes and image processing functions. Supports WACOM™ cordless tablets and Microsoft™ compatible mouse.

FLIPBOOK™ ANIMATION supports realtime playback of animations created on professional 3D animation systems such as Wavefront™, Alias™ Soft-Image™, etc. The animation frames are transferred from the host system to the MAXINE! via Ethernet. The animation may then be recalled and played back on demand.

LOGO COMPOSE permits the creation of anti-aliased logos, symbols or graphics. Completed logos may then be treated the same as Bitstream™ Master Fonts, ie: sized, shaded, chiseled, etc.

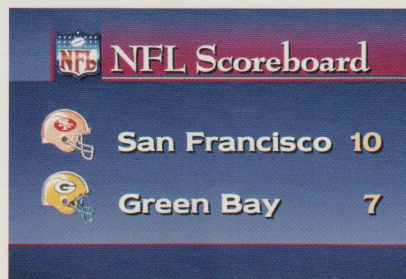
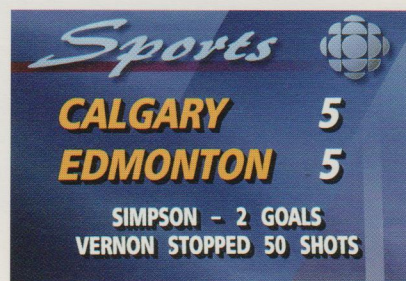
NETWORKING allows any number of MAX!>/iNFiNiT! or MAXINE! systems to exchange data, such as messages, machine fonts, and RGB Alpha files. Any other computer based system that supports FTP or NFS may also be connected. This includes PCs, Macintosh, and SGI, amongst others. This option includes file translation utilities for .TIFF, .VPB (Quantel™), and Aurora image formats.

EXTERNAL SCSI allows for mass storage expansion. A complete range of devices is available, including fixed and removable media in both magnetic and optical formats.

MAXINE! TOOLBOX™ is a set of six interchangeable font packages created as Master Fonts exclusively for Chyron by Television By Design™. In addition to Master Fonts, Toolbox comes equipped with sample pages and extensive documentation for achieving optimum results when converting and utilizing Toolbox fonts.

Toolbox fonts include:

- **BOXES** - a variety of borders, boxes and framing elements provided in square and aspect ratio versions.
- **BARS** - a collection of horizontal characters designed to feature typography or for use as stand-alone elements.
- **SPORTS & WEATHER** - a complete set of multicolored sports and weather symbols.
- **SIGNS & SYMBOLS** - a collection of the most commonly used graphic symbols such as arrows, road signs, election icons, etc.
- **GEOMETRICS** - a collection of abstract multicolored graphic elements consisting of a variety of spheres, fan shapes, corner pieces, patterned rectangles and circles.
- **SHAPES** - matching single color characters designed for use with or without texture to enhance other toolbox characters, or to be used as stand-alone elements.



Features and Options

INFiNiT! FAMILY FEATURE COMPARISON

FEATURE	MAXINE!	MAX!>	INFiNiT!
Full Color Display	✓	✓	✓
68040 Processor	✓	✓	✓
Standard Memory Size	12 Meg	12 Meg	16 Meg
Maximum Memory Size	36 Meg	36 Meg	256 Meg
Standard Disc Storage	80 Meg	80 Meg	240 Meg
Keyboard Mounted Floppy		✓	✓
Transform (option)		✓	✓
Mix/Effects		✓	✓
CCIR 601 I/O (option)		✓	✓
Expansion Slots	1	3	14
Maximum # Output Channels	1	2	3
Triple Transform (option)			✓
Multi-User Capability			✓

POWER CONSUMPTION

Main Chassis: 450W max; 4.0A at 115VAC
2.0A at 230VAC

Keyboard: 115W max; 1.0A at 115VAC
0.5A at 230VAC

EXTERNAL INTERFACES

4 Serial Ports, either RS422 or RS232
1 SCSI II Port
1 Serial Keyboard Port
10 Input GPI Connector
1 Ethernet Port

ENVIRONMENTAL

Operating Range - 5° to 100° C;
5% to 95% Humidity with no condensation

OUTPUTS

Composite Chyron Video
Component Chyron Video (option)
S-Video Chyron Video
Color Edit (Video plus cursor)
Key Channel
Sync
Operator's Prompt (B&W)

INPUTS

Reference In
Video In (Optional)

VIDEO STANDARDS

NTSC
PAL
PAL-M

Specifications

CHYRON
Graphics

CHYRON New York

5 Hub Drive
Melville, NY 11747
TEL: (516) 845-2026
(516) 845-2027
FAX: (516) 845-3895 - Domestic
(516) 845-3896 - International

The PESA Chyron Group

CHYRON Graphics
The Center at Burbank Airport
2550 Hollywood Way, Suite 209
Burbank, CA 91505
TEL: (818) 563-4566
FAX: (818) 563-4568

CHYRON Georgia

One CNN Center, Suite 1240
Atlanta, GA 30030-2705
TEL: (404) 880-9004
(404) 880-9005
(404) 880-9006
FAX: (404) 880-9104